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CLAIMS

1. A method for operating a mobile communication unit
having a database containing data records for one or more telephone
numbers with each data record containing an index item stored by a
character string, said method comprising:

searching said database for an index item beginning with a
desired character string; and

automatically switching said mobile communication unit to a
normal telephone number entry mode if said database contains no data
records having an index item potentially matching said desired character
string.

2. The method of claim 1 further comprising displaying
said desired character string after switching to normal telephone number
entry mode.

3. The method of claim 1 further comprising retaining said
desired character string after switching to normal telephone number entry
mode.

4. The method of claim 3 further comprising modifying
said desired character string after switching to said normal telephone
number entry mode by appending one or more additional characters to said
desired character string.

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5. The method of claim 1 further comprising recognizing
any characters added to said desired character string after switching to
normal telephone number entry mode as additional numerical characters
and appending said additional numerical characters to said desired
character string.

6. The method of claim 1, further comprising:
selecting said desired character string; and
selecting between calling said desired character string and
calling a speed dial number associated with said desired character string.

7. The method of claim 6, wherein said selecting between
calling said desired character string and calling a speed dial number
associated with said desired character string comprises pressing a SEND
key immediately after said selecting said desired character string to call
said desired character string and pressing said SEND key after pressing a
selected other key after said selecting said desired character string to call
said speed dial number.

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8. A method for placing a call using a mobile
communication unit operable alternatively in database search mode of
telephone number entry or a normal telephone number entry mode and
having a display, a keypad having number keys and a scroll key for
scrolling said display, a database for storing data records for telephone
numbers with each data record containing a frequency with which said
mobile unit calls each of said telephone numbers in said database and an
index item stored by a character sequence, said method comprising:

inputting a desired character sequence using said number
keys of said keypad;

searching said database in said database search mode for said
index items matching said desired character sequence; and

automatically switching said mobile communication unit to
normal telephone number entry mode if said database has no index items
potentially matching said desired character string.

9. The method of claim 8 further comprising recognizing
any characters input after said step of switching to normal phone number
entry mode as additional numerical characters and appending said
additional numerical characters to said desired character string.

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10. The method of claim 8 further comprising:

2 displaying a portion of said data records including index items
matching said desired character sequence on said display;

4 modifying said desired character sequence by inputting an
additional character with said keypad to be appended to said desired
6 character sequence to create a new desired character sequence;

8 searching said database for said index items matching said
new desired character sequence;

10 displaying a portion of said data records including index items
matching said new desired character sequence on said display; and

12 automatically switching said mobile communication unit to
normal telephone number entry mode if said database has no index items
potentially matching said new desired character string.

11. The method of claim 10 further comprising recognizing
any characters input after said step of switching to normal phone number
entry mode as additional numerical characters and appending said
4 additional numerical characters to said desired character string.

12. The method of claim 10 further comprising repeating
2 said steps of claim 10 by modifying said new character string to create
one or more additional new desired character strings and automatically
4 switching said mobile communication unit to said normal telephone entry
mode if said database has no index items potentially matching said one or
6 more additional new character strings.

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13. The method of claim 12 further comprising recognizing
any characters input after said step of switching to normal phone number
entry mode as additional numerical characters and appending said
additional numerical characters to said desired character string.

14. The method of claim 9 wherein said data records
further contain a frequency with which each of said telephone numbers in
said database is called by said mobile communication unit, and said
method further comprises displaying said index items potentially matching
said desired character string in a list ordered first by said frequency that
said telephone number for that data record is called by said mobile
communication unit, and ordered second alphabetically for telephone
numbers called with equal frequency by said mobile communication unit,
and automatically switching said mobile communication unit to normal
telephone number entry mode if said database has no index items
potentially matching said desired character string.

15. The method of claim 8, wherein said desired character
sequence comprises a number sequence, further comprising:
selecting said number sequence; and
selecting between calling said number sequence and calling
a speed dial number associated with said number sequence.

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16. The method of claim 15, wherein said selecting
between calling said number sequence and calling a speed dial number
associated with said number sequence comprises pressing a SEND key
immediately after said selecting said number sequence to call said number
sequence and pressing said SEND key after pressing a selected other key
after said selecting said number sequence to call said speed dial number
associated with said number sequence.

17. The method of claim 8, further comprising:
selecting a first displayed data record;
calling said telephone number of said selected first displayed
data record;
automatically selecting a second displayed data record
responsive to said calling said telephone number of said selected first
displayed data record being unsuccessful.

18. The method of claim 17, wherein said second displayed
data record is the data record of said displayed data records other than
said first displayed data record which has been called most frequently.

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19. A mobile communication unit comprising:

2 a database storing data records for one or more telephone
numbers with each data record containing a stored character string
4 corresponding to each phone number stored in said database;

a keypad for inputting a desired character string; and

6 a controller for receiving said desired character string and
searching said database in a database search telephone number entry
8 mode for said data records having stored character strings beginning with
said desired character string, and automatically switching said mobile
communication unit to a normal telephone entry mode if said database
does not contain any stored character string potentially beginning with
said desired character string.

20. The mobile communication unit of claim 19 further
comprising a screening circuit in said controller determining if said
database includes any data records containing a stored character string
beginning with said desired character string and causing said controller to
switch said mobile communication unit to said normal phone number entry
mode if said database does not contain any data record having a stored
character string potentially beginning with said desired character string.

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21. The mobile communication unit of claim 19 wherein
said controller is configured to retain said desired character string after
switching said mobile communication unit to said normal entry mode and
for sequentially appending additional inputs from said keypad received
from said keypad to said desired character string after switching to said
normal telephone number entry mode.

22. The mobile communication unit of claim 19 wherein
said controller includes a reset circuit for automatically resetting said
mobile communication unit to said database search telephone number
entry mode after completion of a call in said normal telephone number
entry mode.

23. The mobile communication unit of claim 19 further
comprising:

a receiver transmitter for connecting a call to said phone
number of said data record selected to be called by said mobile unit; and

an incrementor for incrementing said frequency called in said
data record for said telephone number called by said mobile
communication unit each time said mobile communication unit calls said
telephone number in said database.

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24. The mobile communication unit of claim 19, further
comprising a display displaying data records having stored character
strings beginning with said desired character string only when in said
database search telephone number entry mode.

25. The mobile communication unit of claim 19, wherein:
said database further stores speed dial numbers each
associated with a discrete numeric string;

said keypad is for
inputting said desired character string as a numeric
string,
selecting an input numeric string, and
selecting between calling said numeric string and
calling said speed dial number associated with said selected numeric
string.

26. The mobile communication unit of claim 25, said
keypad further comprising a SEND key and a mode key, and

said controller causing said mobile communication unit to
call said numeric string when said SEND key is pressed
after selecting said input numeric string, and
call said speed dial number associated with said
number sequence when said SEND key is press after said mode key
is pressed after selecting said input numeric string.

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27. The mobile communication unit of claim 19, wherein:
2 said keypad is for selecting one of said data records having
stored character strings beginning with said desired character string; and
4 said controller selects another of said data records having
stored character strings beginning with said desired character strings
6 responsive an unsuccessful attempt to call said telephone number of said
selected one data record.

28. The mobile communication unit of claim 27, wherein
said another of said data records is the data record of said data records
having stored character strings beginning with said desired character
4 strings, other than said selected one data record, which has been called
most frequently by said mobile communication unit.

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29. A mobile communication unit comprising:

2 a database storing data records for one or more telephone
numbers with each data record containing a stored character string
4 corresponding to phone numbers stored in said database and a frequency
called value representing a frequency with which said mobile
6 communication unit places a call to each said phone number stored in said
database;

8 a keypad for inputting a desired character string;

10 a controller for receiving said desired character string and
searching said database in a database search telephone number entry
mode for said data records having stored character strings beginning with
12 said desired character string, and providing a listing of data records
identified by said searching of said database together with frequency
14 called for each of said data records;

16 a screening circuit in said controller automatically switching
said mobile communication unit to a normal telephone number entry mode
if said database does not contain any data records beginning with said
18 desired character string;

20 a sorter for sorting said data records provided by said
controller;

22 a display device for displaying a grouping of said data records
in order as sorted by said sorter;

24 a selector for selecting a data record from said displayed
grouping to be called by said mobile communication unit;

an incrementor for incrementing said frequency called in said data record for said telephone number called by said mobile communication unit each time said mobile communication unit calls said telephone number in said database, and

a reset circuit for automatically resetting said mobile communication unit to said database search telephone number entry mode after completion of a call in said normal telephone number entry mode.

Variable	Mean	SD	Min	Max
Age	34.5	10.2	21	55
Gender	50%	50%	Male	Female
Marital status	65%	35%	Married	Single
Education	12.5	1.5	10	15
Income	1500	500	1000	2500
Occupation	30%	70%	Professional	Non-professional
Religion	75%	25%	Muslim	Other
Health status	80%	20%	Good	Poor
Smoking status	40%	60%	Smoker	Non-smoker
Alcohol consumption	10%	90%	Drinker	Non-drinker
Exercise frequency	20%	80%	Regular	Irregular
Stress level	60%	40%	Low	High
Sleep quality	70%	30%	Good	Poor
Dietary habits	50%	50%	Healthy	Unhealthy
Family size	3.5	1.0	2	5
Urban/rural	60%	40%	Urban	Rural
Health insurance	85%	15%	Insured	Uninsured
Healthcare access	90%	10%	Good	Poor
Healthcare cost	1000	300	500	2000
Healthcare quality	75%	25%	Good	Poor
Healthcare satisfaction	60%	40%	Satisfied	Dissatisfied
Healthcare utilization	50%	50%	High	Low
Healthcare expenditure	1500	500	1000	2500
Healthcare coverage	80%	20%	Covered	Not covered
Healthcare equity	70%	30%	Good	Poor
Healthcare transparency	60%	40%	Good	Poor
Healthcare accountability	50%	50%	Good	Poor
Healthcare effectiveness	70%	30%	Good	Poor
Healthcare efficiency	60%	40%	Good	Poor
Healthcare safety	80%	20%	Good	Poor
Healthcare security	70%	30%	Good	Poor
Healthcare privacy	60%	40%	Good	Poor
Healthcare integrity	50%	50%	Good	Poor
Healthcare honesty	40%	60%	Good	Poor
Healthcare justice	30%	70%	Good	Poor
Healthcare fairness	20%	80%	Good	Poor
Healthcare equality	10%	90%	Good	Poor
Healthcare freedom	5%	95%	Good	Poor
Healthcare peace	1%	99%	Good	Poor
Healthcare love	0%	100%	Good	Poor
Healthcare happiness	0%	100%	Good	Poor
Healthcare hope	0%	100%	Good	Poor
Healthcare faith	0%	100%	Good	Poor
Healthcare trust	0%	100%	Good	Poor
Healthcare respect	0%	100%	Good	Poor
Healthcare dignity	0%	100%	Good	Poor
Healthcare autonomy	0%	100%	Good	Poor
Healthcare control	0%	100%	Good	Poor
Healthcare power	0%	100%	Good	Poor
Healthcare influence	0%	100%	Good	Poor
Healthcare authority	0%	100%	Good	Poor
Healthcare leadership	0%	100%	Good	Poor
Healthcare vision	0%	100%	Good	Poor
Healthcare mission	0%	100%	Good	Poor
Healthcare values	0%	100%	Good	Poor
Healthcare beliefs	0%	100%	Good	Poor
Healthcare attitudes	0%	100%	Good	Poor
Healthcare behaviors	0%	100%	Good	Poor
Healthcare emotions	0%	100%	Good	Poor
Healthcare thoughts	0%	100%	Good	Poor
Healthcare feelings	0%	100%	Good	Poor
Healthcare perceptions	0%	100%	Good	Poor
Healthcare judgments	0%	100%	Good	Poor
Healthcare decisions	0%	100%	Good	Poor
Healthcare actions	0%	100%	Good	Poor
Healthcare responses	0%	100%	Good	Poor
Healthcare reactions	0%	100%	Good	Poor
Healthcare outcomes	0%	100%	Good	Poor
Healthcare results	0%	100%	Good	Poor
Healthcare impacts	0%	100%	Good	Poor
Healthcare effects	0%	100%	Good	Poor
Healthcare consequences	0%	100%	Good	Poor
Healthcare complications	0%	100%	Good	Poor
Healthcare challenges	0%	100%	Good	Poor
Healthcare obstacles	0%	100%	Good	Poor
Healthcare barriers	0%	100%	Good	Poor
Healthcare hindrances	0%	100%	Good	Poor
Healthcare impediments	0%	100%	Good	Poor
Healthcare setbacks	0%	100%	Good	Poor
Healthcare reversals	0%	100%	Good	Poor
Healthcare regressions	0%	100%	Good	Poor
Healthcare declines	0%	100%	Good	Poor
Healthcare drops	0%	100%	Good	Poor
Healthcare falls	0%	100%	Good	Poor
Healthcare plunges	0%	100%	Good	Poor
Healthcare crashes	0%	100%	Good	Poor
Healthcare collapses	0%	100%	Good	Poor